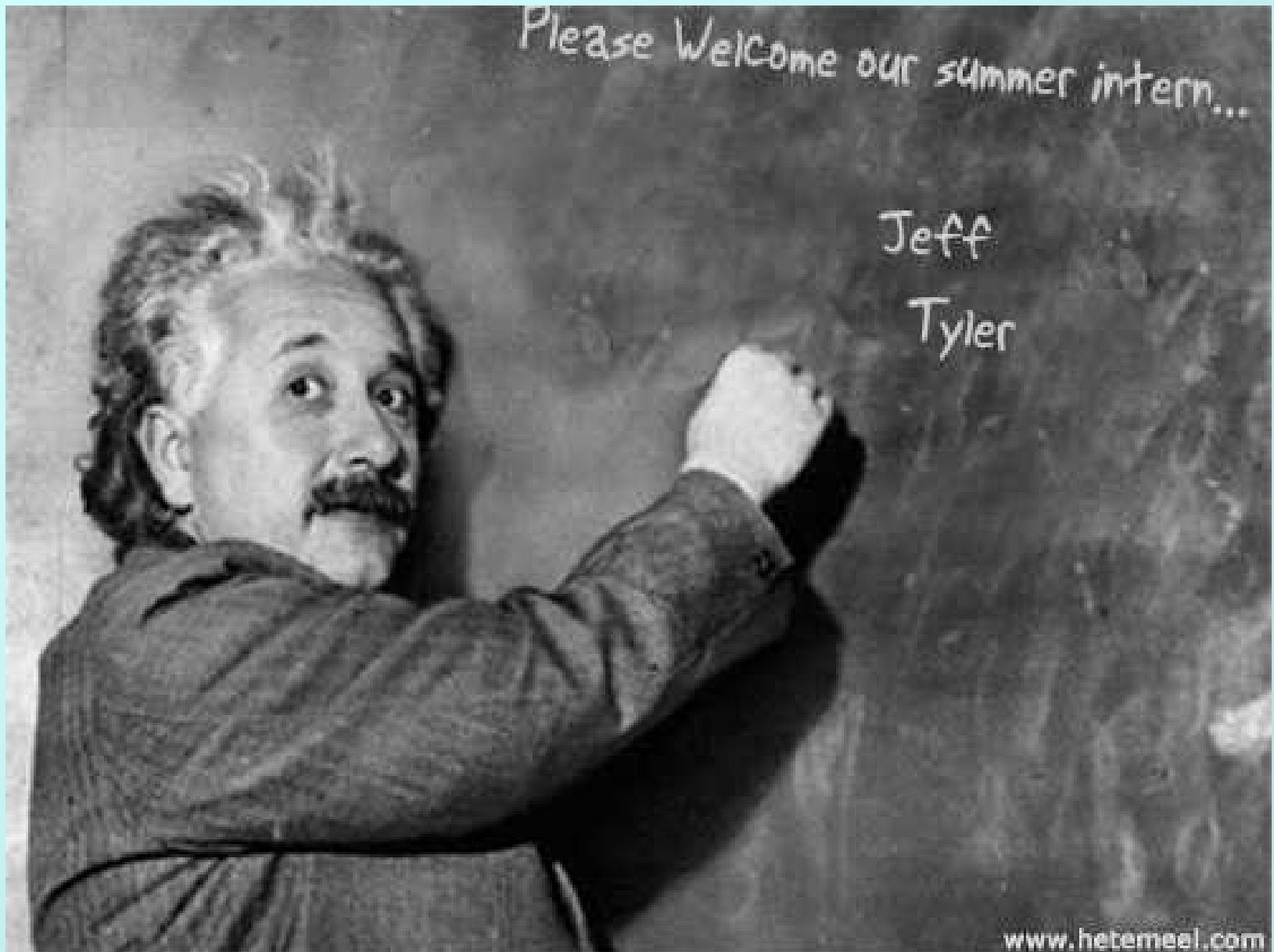


PHENIX WEEKLY PLANNING

5/17/2007

Don Lynch





Technical Support 2007

●	RPC Factory Safety Review	5/18/07
●	Next Maintenance Day	5/23/07
●	ISO 14001 Audit	5/21-25/07
●	HyTec CM vibration modes test	5/23/07
●	MuTr FEE chip capacitor rmvl test	6/6/07
●	End of Run Party	6/29/07
●	Start Shutdown 2007	7/2/07
●	Remove HBD East	7/19/07
●	MPC South remove for upgrade	7/20/07
●	<i>[this space available]</i>	x/xx/xx

Schedule

Next 2 Maintenance Days: May 23, June 6 2007

May 23:

HyTec CM vibration modes.
MuTr Capacitor De-Capitations?
HBD resistor adjustments?

June 6:

MuTr Capacitor De-Capitations?
HBD resistor adjustments?

Get requests in early, especially if work permit
required

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HYTEC Accelerometer Testing

RJ and Vince (from HyTec) will be at BNL Tue 5/22. Meet at 1008 to discuss mounting of accel block and set up for test. Will do work planning at this meeting.

** Three of the accels will be mounted to a common block. This block would then be temporarily attached to the existing structure (West lower I-beam)*

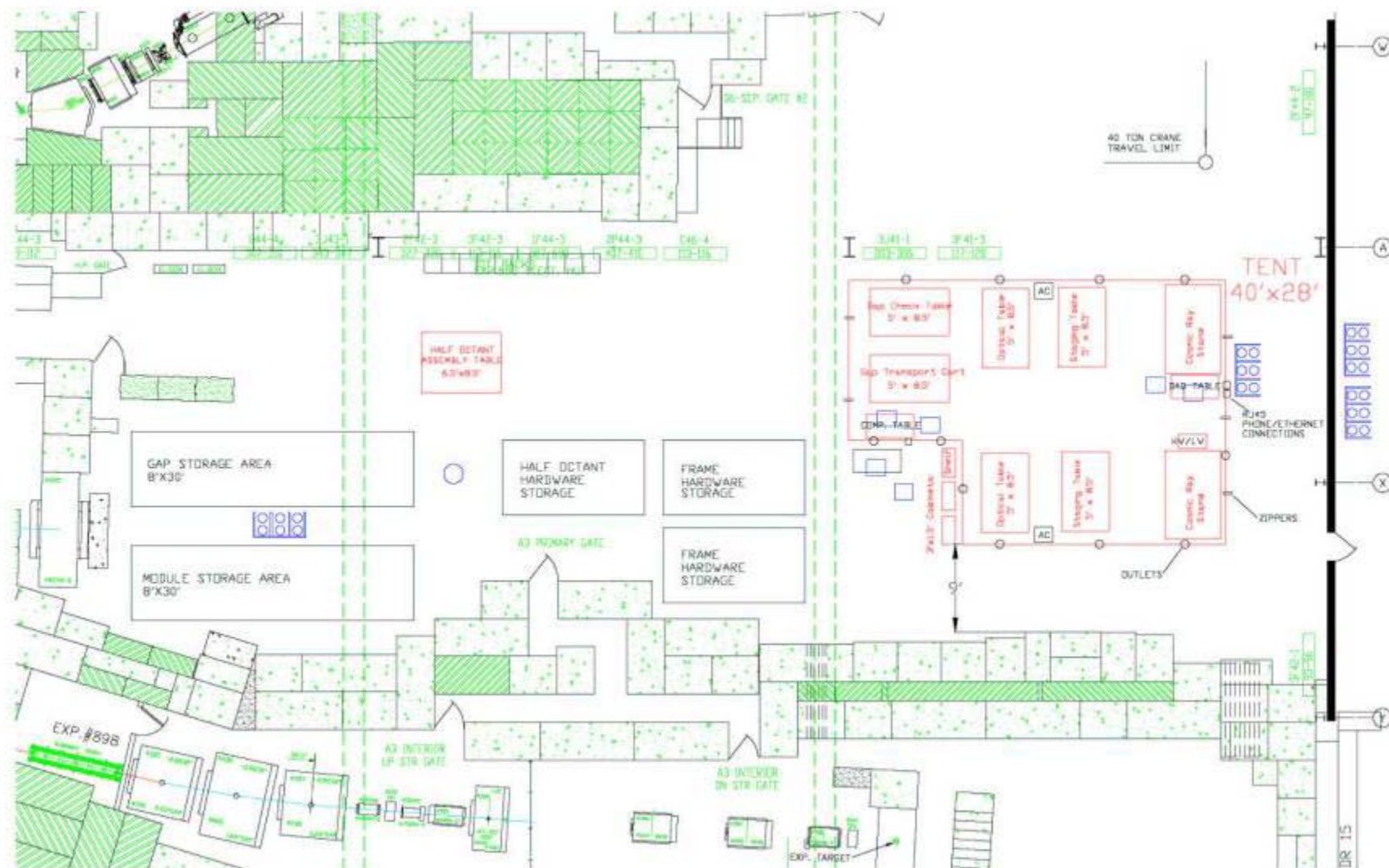
** Coaxial cables will run from the accels to HYTEC amplifiers. These amplifiers are about the size of a shoebox, and need to be within 10 ft of the accels. The amplifiers have no special provisions for operating in a magnetic field. (Should be secured to table... table to be in down position)*

** Cables will run from the amplifiers to a HYTEC data acquisition system/computer. The second set of cables can be 100 ft or more long. (They will run from CM region out plug door to AH for test. No one to be in IR during test. Magnets on.)*

TESTING - 5/17/2007

RPC Assembly "Factory" at BNL

Technical Support 2007



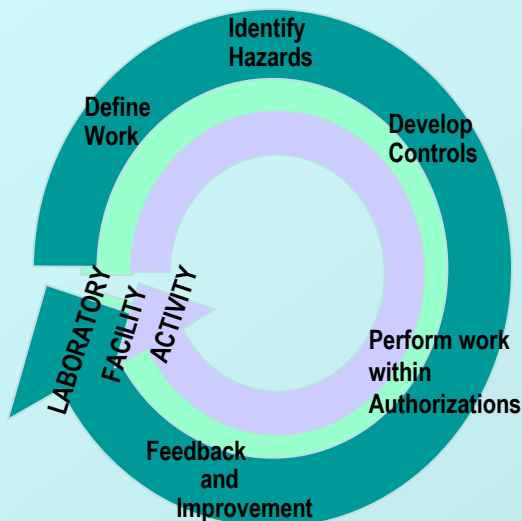
Safety: ISO 14001 Registration Audit

ISO 14001 Registration Audit Next week

Anyone on site may be interviewed by the reviewers including PHENIX visitors on BNL site.

1. BNL has an ESSH policy (If you really want to be clever, know that ESSH is Environment, Safety, security and Health.).

2. Everyone is personally responsible for safety at BNL.



Nothing New to report this week. Efforts will be continued this week

50 Active PHENIX procedures identified

Subdivided into 3 groups:

- Gas System Procs (18) Rob to review
- Elect System Procs (19) Paul to review
- Mech System Procs (13) Don to review

Determine if OK as is, needs rev./combine → system expert input

Technical Support 2007

All training records gathered for PHENIX technical staff techs and engineers.

Cannot change JTA's yet because of inconsistencies in JTA's and Equivalencies.

Visual Basic/Excel program written to evaluate individual records

This effort continues....

2007 Summer Shutdown Schedule

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<u>Item</u>	<u>Start</u>	<u>Complete</u>
RPC Factory set up	5/15	2011?
HBD West repair	4/26	9/14
End of Run 7	6/29	6/29
EOR Party	6/29	6/29
Flammable Gas Purge	6/29	7/2
Open Rolling Wall and Disassemble	7/2	7/9
MuID collar removal, MMS move S.	7/9	7/9
Disconnect EC and Move to AH	7/10	7/16
RPC Engineers coordination visit	7/16	7/26
Reconnect EC for maintenance in AH	7/16	7/23
Move MuID collar to AH	7/16	7/16
Install IR floor plates, rolling cart & move manlift to IR	7/17	7/18
Install CM access ladder	7/18	7/18
Remove HBD East	7/19	7/19
Remove MPC South	7/20	7/20
MPC South upgrade/ bench tests	7/23	8/13
Move CM south	7/23	7/23
Remove SouthEast Vertical Lampshade	7/24	7/24
Remove MPC North	7/25	7/30
MPC North upgrade/bench tests	7/30	8/6

2007 Summer Shutdown Schedule (cont'd)

<u>Item</u>	<u>Start</u>	<u>Complete</u>
MuTr Capacitor Decapitation	7/25	8/31
Reinstall MPC North	8/6	8/13
Move CM North	8/13	8/13
Reinstall MPC South	8/13	8/20
Repair RXNP Phototube	8/13	8/20
Install CM Crane	8/20	9/3
Misc. Subsystem Maint./repair/Upgrade	7/16	10/1
Misc. Infrastructure Improvements	7/16	10/1
MuTr FEE Prototype (Sta. 2N lwr oct.)	9/3	9/28
HBD West Mechanical/Gas Reinstall	9/17	9/24
HBD EAST Mechanical/Gas Reinstall	9/24	10/1
HBD Electrical Reinstall	9/17	10/8
EC Roll In	10/8	10/10
DC East repair	10/11	10/12
HBD/MPC/Other TBD Commissioning	10/1	10/31
Start of Run 8	11/1	11/1

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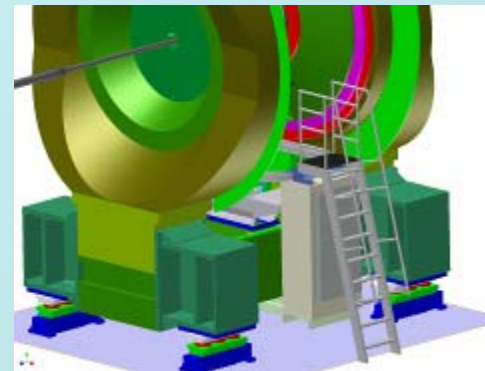
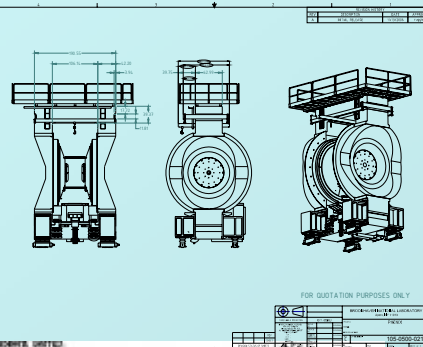
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| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work |

** Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*



- Empty and discard old container
- VTX chiller test
- New Crane
- Stairway to HBD
- NCC Electronics
- CM Extension Step



Low-Temperature Circulating and Open-Loop Process Chillers

For extra-cool applications, these compact and efficient chillers offer temperature control from 30° to 100° F. They cool water or water mixed with a maximum of 30% inhibited ethylene or propylene glycol. Ideal for applications where a fan cannot be used to cool, such as lasers. All have an air-cooled condenser and a low-pressure safety control (unless noted). Choose from closed-circulating and open-loop types. Connections are NPT female. For indoor use only. All have screw terminals for hardwiring, unless noted. Chillers rated 3,000 to 12,000 Btu/hr. contain 134A refrigerant; all others contain R-22 refrigerant.

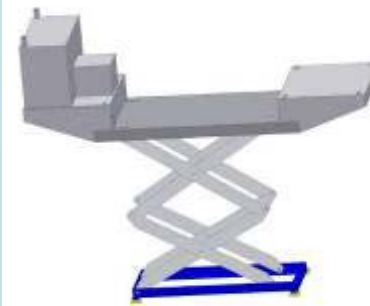
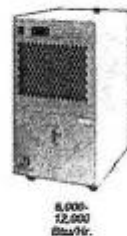
Circulating liquid chillers have an internal tank (except for the 3,000 Btu/hr. model, which has an external tank on the back) and are for closed-loop cooling of liquids in process equipment. Chillers rated 19,000 Btu/hr. and up have a relief valve that ensures pump will not "dead head" if flow is restricted (in other words, the pump will continue to pump). Open-loop liquid chillers are perfect for cooling liquids in a process bath, coolant spray system, or an external tank. Furnished without a tank.

Btu/Hr. ♦	VAC (Phase) ♦	Compressor Amps	Pump Cap., gpm ♦	Pipe Size	Overall Size, Ht. x Wd. x Dp.	Circulating Liquid Chillers		Open-Loop Liquid Chillers	
						Tank Size, gal.	Each	Each	Each
3,000	115 (1)	6.4	2 @ 8	1/4"	13" x 14" x 17"	1/4"	3538K65A	\$2208.12	
6,000	115 (1)	12.5	2 @ 8	1/4"	28" x 15" x 17"	2	3538K66	2637.81	3504SK56 ♦ \$2541.03
9,000	115 (1)	17	3 @ 10	3/4"	30" x 18" x 25"	5	3538K67	3196.74	3504SK57 ♦ 3164.11
12,000	230 (3)	10	3 @ 10	3/4"	30" x 18" x 25"	5	3538K68	3638.39	3504SK58 ♦ 3606.65
19,000	230 (3)	13	5 @ 25	1"	41" x 28" x 28"	10	3538K75	5729.45	3504SK81 ♦ 5965.99
41,000	230 (3)	16	12 @ 40	3/4"	41" x 28" x 28"	10	3538K77	6640.87	

♦ Based on 58° F liquid temperature, 80° F ambient air temp., and open-loop applications. ♦ Pumps capacity is 3-gpm @ 10 psi.

Precision Circulating Process Chillers

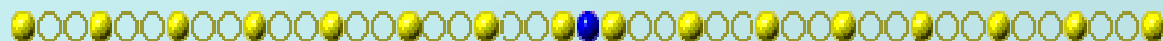
Using refrigerant and internal heaters, these chillers maintain an accurate and precise temperature between 14° and 149° F. Ideal for medical and scientific research. An LED readout shows temperature, pressure, and flow, and lets you



Where To Find PHENIX Technical Info



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm